

Title (en)

Light pipe, planar light source unit and reflection type liquid-crystal display device

Title (de)

Lichtleiter, flache Lichtquelleneinheit und reflektive Flüssigkristall-Anzeigevorrichtung

Title (fr)

Guide de lumière, unité de source de lumière planaire et dispositif d'affichage à cristaux liquides du type réflectif

Publication

EP 1201987 A1 20020502 (EN)

Application

EP 01125145 A 20011023

Priority

JP 2000323467 A 20001024

Abstract (en)

There is provided a planar light source unit (10) having a light pipe (1) and a point light source (2), the light pipe (1) being constituted by a plate-like body having upper (1a) and lower (1b) surfaces and a side (1c) surface serving as an incident surface on which incident light is made to exit from the lower (1b) surface through light exit means (A) formed on the upper (1a) surface, the light exit means (A) being disposed to face at least one virtual center on or outside the incidence side (1c) surface, the incident light made to exit from the upper or lower (1b) surface being transmitted to exit from the lower (1b) or upper (1a) surface through the plate-like body. There is also provided a reflection type liquid-crystal display device (2a) having a planar light source unit and a liquid-crystal panel including a reflection layer (40), the point light source (2) being disposed in the virtual center or between the virtual center and the incidence side surface. <IMAGE>

IPC 1-7

F21V 8/00

IPC 8 full level

F21V 8/00 (2006.01); **G02B 5/00** (2006.01); **G02B 6/00** (2006.01); **G02F 1/1335** (2006.01); **G02F 1/13357** (2006.01); **F21Y 101/02** (2006.01)

CPC (source: EP KR US)

G02B 6/0038 (2013.01 - EP US); **G02F 1/1335** (2013.01 - KR)

Citation (applicant)

JP 2000323467 A 20001124 - NIPPON ASM KK

Citation (search report)

[A] EP 0879991 A2 19981125 - MATSUSHITA ELECTRIC IND CO LTD [JP]

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